

IN THE CLAIMS:

Rewrite the pending claims as follows:

1. (Currently Amended) A method of automatically ~~learning control sequences~~ registering variable settings associated with a plurality of computer application programs, comprising:

supplying a data structure;

~~extracting a first set of control sequences~~ while executing a first computer application program to perform a first task, automatically extracting a first set of variable settings in addition to performing the first task;

~~extracting a second set of control sequences~~ while executing a second computer application program to perform a second task, automatically extracting a second set of variable settings in addition to performing the second task;

loading said first set of ~~control sequences~~ variable settings and said second set of ~~control sequences~~ variable settings into said data structure so as to associate said first set of ~~control sequences~~ variable settings with said first computer application program and said second set of ~~control sequences~~ variable settings with said second computer application program; and

testing a third computer application program by executing, in sequence, said first and second computer application programs using said first and second sets of ~~control sequences~~ variable settings in said data structure to perform said first and second tasks automatically, wherein said first and second tasks utilize the third computer application program.

2. (Currently Amended) The method of claim 1, wherein said executing step includes:

using said first set of ~~control sequences~~ variable settings to open said first computer application program;

using said first set of ~~control sequences~~ variable settings to perform a subroutine of said first computer application program; and

using said first set of ~~control sequences~~ variable settings to close said computer application program.

3. (Currently Amended) The method of claim 1 further comprising:
including a graphical user interface to prompt a user for selected ~~control sequences~~
variable settings.
4. (Original) The method of claim 3 further comprising:
including a spread sheet in said graphical user interface.
5. (Currently Amended) The method of claim 1 wherein said first set of ~~control sequences~~
variable settings includes a ~~control sequence~~ variable setting to run said first computer
application program.
6. (Currently Amended) The method of claim 1 wherein said first set of ~~control sequences~~
variable settings includes a ~~control sequence~~ variable setting to open said first computer
application program.
7. (Currently Amended) The method of claim 1 wherein said first set of ~~control sequences~~
variable settings includes a ~~control sequence~~ variable setting to close said first computer
application program.
8. (Currently Amended) The method of claim 1 wherein said first set of ~~control sequences~~
variable settings includes a ~~control sequence~~ variable setting to open a document within said
first computer application program.
9. (Currently Amended) The method of claim 1 wherein said first set of ~~control sequences~~
variable settings includes a ~~control sequence~~ variable setting to print a document associated
with said first computer application program.
10. (Currently Amended) The method of claim 1 wherein said first set of ~~control sequences~~
variable settings includes a ~~control sequence~~ variable setting to close a document associated
with said first computer application program.

11. (Currently Amended) A computer program product for use in conjunction with a computer system, the computer program product for automatically ~~learning control sequences~~ registering variable settings of a plurality of computer application programs, the computer program product comprising a computer readable storage medium and a computer program mechanism embedded therein, the computer program mechanism comprising:

a data structure;

~~instructions to extract a first set of control sequences~~ while executing a first computer application program to perform a first task, instructions to automatically extract a first set of variable settings in addition to performing the first task;

~~instructions to extract a second set of control sequences~~ while executing a second computer application program to perform a second task, instructions to automatically extract a second set of variable settings in addition to performing the second task;

instructions to load said first set of ~~control sequences~~ variable settings and said second set of ~~control sequences~~ variable settings into said data structure so as to associate said first set of ~~control sequences~~ variable settings with said first computer application program and said second set of ~~control sequences~~ variable settings with said second computer application program; and

instructions to test a third computer application program by execute executing, in sequence, said first and second computer application programs using said first and second sets of ~~control sequences~~ variable settings in said data structure to perform said first and second tasks automatically, wherein said first and second tasks utilize the third computer application program.

12. (Currently Amended) The computer program product of claim 11, wherein said instructions to execute further include:

instructions to use said first set of ~~control sequences~~ variable settings to open said first computer application program;

instructions to use said first set of ~~control sequences~~ variable settings to perform a subroutine of said first computer application program; and

instructions to use said first set of ~~control sequences~~ variable settings to close said first computer application program.

13. (Original) The computer program product of claim 11 further comprising:
instructions to display a graphical user interface.
14. (Original) The computer program product of claim 13 further comprising:
instructions to include a spread sheet in said graphical user interface.
15. (Currently Amended) The computer program product of claim 11 wherein said first set of ~~control sequences~~ variable settings includes a ~~control sequence~~ variable setting to run said first computer application program.
16. (Currently Amended) The computer program product of claim 11 wherein said first set of ~~control sequences~~ variable settings includes a ~~control sequence~~ variable setting to open said first computer application program.
17. (Currently Amended) The computer program product of claim 11 wherein said first set of ~~control sequences~~ variable settings includes a ~~control sequence~~ variable setting to close said first computer application program.
18. (Currently Amended) The computer program product of claim 11 wherein said first set of ~~control sequences~~ variable settings includes a ~~control sequence~~ variable setting to open a document associated with said first computer application program.
19. (Currently Amended) The computer program product of claim 11 wherein said first set of ~~control sequences~~ variable settings includes a ~~control sequence~~ variable setting to print a document associated with said first computer application program.
20. (Currently Amended) The computer program product of claim 11, wherein said first set of ~~control sequences~~ variable settings includes a ~~control sequence~~ variable setting to close a document associated with said first computer application program.

21. (Currently Amended) The computer program product of claim 11, wherein said instructions to extract a first set of ~~control sequences~~ variable settings from a first computer application program further include instructions to detect whether said first computer application program includes a graphical user display with a menu bar.

22. (Currently Amended) The computer program product of claim 21, wherein said instructions to extract further include instructions to extract a first ~~control sequence~~ variable setting corresponding to a second ~~control sequence~~ variable setting executed when menu items are selected from said menu bar.